

# Missouri End-of-Course Blueprints

A test blueprint is a map and or a table of specifications for an assessment program to identify the structure of the assessment which ensures that the Missouri Learning Standards Expectations are covered by the assessment program over a specified period of time. The blueprint links the assessment to the content areas acting as a tool to align objectives to the appropriate weight and questions across the strands.

Blueprints provide the essential planning materials for the assessment development process. The test blueprints are used to guide and target specific item development and writing as well as the form assembly. The blueprint along with item specifications, performance-level descriptors and the practice and processes documents provide strong content validity and reliability for the assessment system.

Assessments may contain selected response (SR) items, constructed response (CR) items, writing tasks (WT) and/or technology enhanced (TE) items (e.g. drag and drop, drop-down menu, matching, select answers, hot spot, etc.)

# Mathematics

## Groupings

- **Category** - Represent a group / groups of similar content standards / expectations within each grade and content area
- **Code** - Represents the standard code for the Missouri learning Standard
- **Domain** - Represents the core principles of what the students have been taught and have learned
- **Point Range** - Identifies the points possible for the reporting strand
- **Range of Emphasis** - Identifies the percentage of the assessment in the reporting strand

## ALGEBRA I Blueprint

Category	Code	Domain	Point Range	Range Of Emphasis
Algebra	SSE	Seeing Structure In Expressions	18 – 22	37 – 43%
	APR	Arithmetic With Polynomials And Rational Expressions		
	CED	Creating Equations And Inequalities		
	REI	Reasoning With Equations And Inequalities		
Functions	IF	Interpreting Functions	18 – 22	37 – 43%
	BF	Building Functions		
	LQE	Linear, Quadratic And Exponential Models		
Number & Data	NQ	Number And Quantity	8 – 12	17 – 23%
	DS	Data And Statistics		
<b>Performance Event:</b> Each year the performance event may align to any specific conceptual category or to a group of them. The performance event is worth 10 points.				
<b>Total</b>			50	100%

## ALGEBRA II Blueprint

Category	Code	Domain	Point Range	Range Of Emphasis
Algebra	APR	Arithmetic With Polynomials And Rational Expressions	25 – 28	50 – 60%
	REI	Reasoning With Equations And Inequalities		
	SSE	Seeing Structure In Expressions		
Functions	IF	Interpreting Functions	11 – 14	22 – 28%
	BF	Building Functions		
	FM	Modeling With Functions, Or Functions And Modeling		
Number & Data	NQ	Number And Quantity	10 – 12	20 – 24%
	DS	Data And Statistics		
<b>Performance Event:</b> Each year the performance event may align to any specific conceptual category or to a group of them. The performance event is worth 10 points.				
<b>Total</b>			50	100%

# Mathematics

## Groupings

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- **Range of Emphasis** - Identifies the percentage of the assessment in the reporting strand

## GEOMETRY Blueprint

Category	Code	Domain	Point Range	Range Of Emphasis
Congruence / Similarity, Coordinate Geometry & Circles	CO	Congruence	32 – 35	64 – 70%
	SRT	Similarity, Right Triangles And Trigonometry		
	C	Circles		
	GPE	Expressing Geometric Properties With Equations		
Geometric Measurement & Modeling	GMD	Geometric Measurement And Dimension	6 – 10	12 – 20%
	MG	Modeling With Geometry		
Statistics & Probability	CP	Conditional Probability And The Rules Of Probability	6 – 10	12 – 20%
<b>Performance Event:</b> Each year the performance event may align to any specific conceptual category or to a group of them. The performance event is worth 10 points.				
<b>Total</b>			50	100%

# English Language Arts

## Groupings

- **Reporting Category** - Represent a group / groups of similar content standards / expectations within each grade and content area
- **Strand/Domain** - Larger groups of content standards/expectations that are closely related
- **Theme/Big Idea** - Represents the core principles of what the students have been taught and have learned
- **Point Range** - Identifies the points possible for the reporting category
- **Range of Emphasis** - Identifies the percentage of the assessment to the reporting category

## ENGLISH I Blueprint

Category	Strand/Domain	Theme/Big Idea	Point Range	Range Of Emphasis
Reading	Reading Literary Texts	Comprehend And Interpret Texts	15	30%
		Analyze Craft And Structure		
		Synthesize Ideas From Texts		
Reading	Reading Informational Texts	Comprehend And Interpret Texts	15	30%
		Analyze Craft And Structure		
		Synthesize Ideas From Texts		
Writing	Writing	Development (Process/Production) 4 points for Development and Elaboration 4 points for Organization and Flow	20	40%
		Research		
		Revise And Edit 2 points will be associated with Conventions		
Total			50	100%

## ENGLISH II Blueprint

Category	Strand/Domain	Theme/Big Idea	Point Range	Range Of Emphasis
Reading	Reading Literary Texts	Comprehend And Interpret Texts	15	30%
		Analyze Craft And Structure		
		Synthesize Ideas From Texts		
Reading	Reading Informational Texts	Comprehend And Interpret Texts	15	30%
		Analyze Craft And Structure		
		Synthesize Ideas From Texts		
Writing	Writing	Development (Process/Production) 4 points for Development and Elaboration 4 points for Organization and Flow	20	40%
		Research		
		Revise And Edit 2 points will be associated with Conventions		
Total			50	100%

# Science

## Groupings

- **Reporting Category** - Represent a group / groups of similar content standards / expectations within each grade and content area
- **Concept** - Represents the core principles of what the students have been taught and have learned
- **Point Range** - Identifies the points possible for the reporting category
- **Range of Emphasis** - Identifies the percentage of the assessment to the reporting category

## BIOLOGY Blueprint

Category	Domain	Point Range	Range Of Emphasis
From Molecules To Organisms: Structure And Process	Structure And Function	11 – 15	22 – 30%
	Growth And Development Of Organisms		
	Organization For Matter And Energy Flow In Organisms		
Ecosystems: Interactions, Energy, And Dynamics	Interdependent Relationships In Ecosystems	8 – 12	16 – 24%
	Cycles Of Matter And Energy Transfer In Ecosystems		
	Ecosystem Dynamics, Functioning And Resilience		
Heredity: Inheritance And Variation Of Traits	Inheritance Of Traits	11 – 15	22 – 30%
	Variation Of Traits		
Biological Evolution: Unity And Diversity	Evidence Of Common Ancestry And Diversity	11 – 15	22 – 30%
	Natural Selection		
	Adaption		
Earth And Human Activity	Biogeology	3 – 6	6 – 12%
	Natural Resources		
	Human Impacts On Earth's Systems		
	Global Climate Change		
<b>Total</b>		50	100%

## PHYSICAL SCIENCE Blueprint

Category	Domain	Point Range	Range Of Emphasis
Matter And Its Interactions	Structure And Properties Of Matter	12 – 16	24 – 32%
	Chemical Reactions		
	Nuclear Process		
Motion And Stability: Forces And Interactions	Forces And Motion	12 – 16	12 – 32%
	Types Of Interactions		
Energy	Definitions Of Energy	12 – 16	12 – 32%
	Conservation Of Energy And Energy Transfer		
	Relationships Between Energy And Forces		
	Wave Properties		
Earth And The Universe	The Universe And Its Stars	6 – 9	12 – 18%
	Earth And The Solar System		
	Earth Materials And Systems		
<b>Total</b>		50	100%

# Social Studies

## Groupings

- **Reporting Category** - Represent a group / groups of similar content standards / expectations within each grade and content area
- **Concept** - Represents the core principles of what the students have been taught and have learned
- **Point Range** - Identifies the points possible for the reporting category
- **Range of Emphasis** - Identifies the percentage of the assessment to the reporting category

## AMERICAN HISTORY Blueprint

Category	Domain	Point Range	Range Of Emphasis
Tools Of Social Science Inquiry	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Re-Emerging America	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Emerging Globally	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
The Great Depression And WWII	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
The American Stage	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Contemporary America	History: Continuity And Change	8 – 10	16 – 20%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Total		50	100%

# Social Studies

## Groupings

- **Reporting Category** - Represent a group / groups of similar content standards / expectations within each grade and content area
- **Concept** - Represents the core principles of what the students have been taught and have learned
- **Point Range** - Identifies the points possible for the reporting category
- **Range of Emphasis** - Identifies the percentage of the assessment to the reporting category

## GOVERNMENT Blueprint

Category	Domain	Point Range	Range Of Emphasis
Tools Of Social Science Inquiry	History: Continuity And Change	10 – 12	20 – 24%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Historical Foundations	History: Continuity And Change	10 – 12	20 – 24%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Structure Of Government	History: Continuity And Change	13 – 17	26 – 34%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
Government In Action	History: Continuity And Change	13 – 17	26 – 34%
	Government Systems And Principals		
	Geographic Study		
	Economic Concepts		
	People, Groups, And Cultures		
<b>Total</b>		<b>50</b>	<b>100%</b>

# Personal Finance

## PERSONAL FINANCE Blueprint

Category	Domain	Point Range	Range Of Emphasis
Financial Decision Making / Earning Income	Unlimited Wants And Limited Resources	10 – 12	20 – 24%
	Choice And Decision Making		
	Career Choices And Consequences		
	Forms Of Compensation		
	Taxes And Other Deductions		
Buying Goods And Services	Creating A Budget	10 – 12	20 – 24%
	Purchasing Items Of High Value		
	Considering Alternative Goods And Services		
	Selecting Financial Institutions		
Savings / Using Credit	Reasons For Saving	13 – 17	26 – 34%
	Interest On Savings		
	Saving Instruments		
	Facets Of Credit		
	Interest On Credit		
	Credit Worthiness		
Protecting And Insuring / Financial Investing	Protecting Against Financial Risk By Insuring	13 – 17	26 – 34%
	Protecting Personal Identity		
	Investment Instruments		
	The Relationship Between Risk And Reward Points		
<b>Total</b>		50	100%